

Missouri Assessment Program Spring 2004

Mathematics

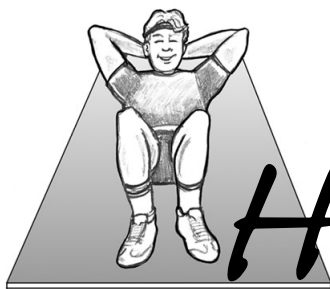
Released Items

Grade 10

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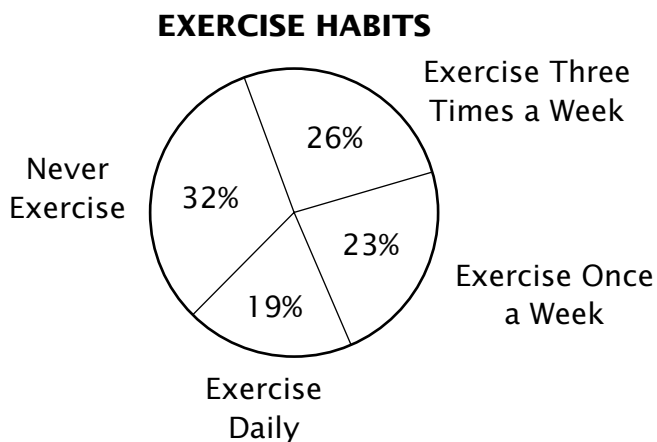


Health Project

9

A science class is researching positive and negative factors that may affect people's health. The class wants to learn how people can protect and improve their health.

As part of the project, the class surveyed the exercise habits of 600 people. The circle graph below shows the results of the survey.



Of the 600 people who completed the survey, how many exercise *at least* once a week? In the space below, provide the work that shows how you arrived at your answer and write your answer on the line.

_____ people

8

A landscaper is counting the plants in five different areas of a garden. The chart below shows the landscaper's findings.

PETUNIAS FOUND IN GARDEN

Area	Total Number of Plants in Area	Findings	Number of Petunias in Area
A	30	$\frac{1}{6}$ of the plants are petunias	
B	20	$\frac{7}{10}$ of the plants are petunias	
C	50	30% of the plants are petunias	
D	40	0.40 of the plants are petunias	
E	30	$\frac{5}{15}$ of the plants are petunias	

In the chart, record the number of petunias in each area. In the space below, show how you arrived at your answers.

Which area has the largest number of petunias? Write your answer on the line below.

Area with largest number of petunias _____